



THE OREDIGGER

Volume 81 Issue 1

August 31, 2000

THE VOICE OF COLORADO SCHOOL OF MINES, A SUPERIOR EDUCATION IN APPLIED SCIENCE AND ENGINEERING

Changes Overhead: Bickart Resigns

Steve Fullam

In a surprising announcement, Dr. Theodore Bickart retired as president of the Colorado School of Mines. The announcement came May 11 and was effective July 31. Serving in his place in an interim capacity is Dr. John Trefny, formerly vice president of Academic Affairs. A search committee to find the new president will be formed by Frank Erisman, president of the Board of Trustees, and will likely

take at least a year to find a successor.

Bickart began the presidential duties on August 3, 1998 as the 14th president of CSM. He assumed this position after a distinguished career that began at John Hopkins University where he received three degrees. Bickart taught electrical engineering and computer science for 26 years at Syracuse University and later served over nine years as

the dean of engineering at Michigan State University.

Bickart said he had met his goal of helping the school transition from a period of long-term stability in the fields of applied science and engineering to an era of rapidly changing technology. He helped accomplish this by encouraging the expansion of the school's vision to include renewable energy sources, smart products, re-

source recovery, and biology without compromising CSM's traditional core focus on minerals and natural resources.

Bickart suggests that to be successful as an engineer, learning should focus on four main areas: human systems, engineering systems, earth systems, and economic systems.

His goal was to integrate all four systems to make sure Mines students graduate with all the necessary tools and information. This process has been started, but will take time to fully integrate.

"I see my greatest achievement at Mines has been in developing a sense of family. One of our major goals was to instill a sense of family and cooperation among students, staff and faculty in order to mobilize the talent to reach new heights. This has begun to take shape in many areas such as with the art show and new programs where multiple departments have come together to accomplish a common goal."

To the new president, Bickart's advice is: understand your people and enable them to succeed. Respect their judgment

because there are many highly competent individuals on this campus. Do not rein in, but encourage them to combine their talents to accomplish at higher levels.

"I felt I could not

maintain the same level of growth as the past two years and would not be as effective so I stepped down," Bickart said.

In retirement he will keep busy as a member of several advisory boards including the National Advisory Council to National Renewable Energy Laboratory, the Rocky Mountain Group Advisory Board, and the accreditation board for Stanford University. He also is running for president of the Society of American Engineering Education. In his spare time he plans to enjoy hiking, bicycling, woodworking and working with model trains.



Theodore Bickart



Douglas Baldwin

Mines' biggest class yet makes a splash at the annual M-Climb, Aug. 21.

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Goodbye CARL, It's Time to Speed Things Up!

Glenda Anderson

This summer, after years of using the card catalog system CARL, the Arthur Lakes Library migrated to a new system, "Catalyst." The Catalyst system, which is actually Voyager software from the Endeavor Corporation, is the latest generation library software. The name Catalyst, which was chosen because of its scientific and technical references, was picked out of several entries submitted during a contest last spring.

Because the Catalyst system is a newer catalog system, it is more

powerful than CARL, which was a first generation library software system.

In addition to being a more powerful search engine, one of the features present in the Catalyst system is that it is accessible on the Internet from any web browser. As a result, students can renew their books, place holds on books or just review their patron information from virtually anywhere.

In addition, if a student signs up their email address with the library, email reminders will be

sent a few days before books are due. Finally, the Catalyst system should eventually be able to connect with other web resources during a search to yield more results.

However, newer does not necessarily mean more user friendly. "Just because the system is more powerful does not mean it is easier to use," said Lisa Dunn, head of reference at Arthur Lakes Library.

There are several resources available for education on the Catalyst system. Drop-in ses-

sions consisting of small groups are available Monday and Wednesday at 1p.m., Tuesday and Thursday at 4p.m., and Tuesday and Friday at noon.

Groups of students or faculty that can not make any of the scheduled sessions can make an appointment for a tutoring session. It is also possible to receive one-on-one training Monday through Friday 8a.m. to 5a.m.. The Catalyst system is accessible from the Arthur Lakes Library page at www.mines.edu/academics/library.

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Mines Police Go RADical

According to Mines police, somewhere in America, a woman is sexually assaulted every two minutes. This is part of the reason officers Mike Strain and Angelo Trujillo are offering a Rape Aggression Defense (RAD) system to help protect the women here at Mines.

The RAD system has been in existence since 1989 and has been very successful at colleges and universities on both coasts of the United States.

The course is endorsed by the International Association of Campus Law Enforcement Administrators (IACLEA) and is

also endorsed by the American's Women's Self-Defense Association (AWSDA).

The RAD course is different from many others in two other ways as well. First, the course allows all graduates to return to any instructor in the organization to take the course again free of charge. Second, it is the largest organization of its kind, with 2,500 instructors in the United States and Canada.

The RAD program prides itself on not being a traditional self-defense course. Instead, it fulfills a long-standing void by enabling women to learn in a

period of several hours a set of cognitive and physical skills. It helps women recognize situations where they may become endangered, and it helps women make correct choices regarding resistance in any particular situation.

The course is designed to build confidence and resource awareness. Mines police are willing and available to help anyone in need and to educate students in how to avoid trouble or if necessary, deal with it.

For information contact officers Strain or Trujillo at 303-273-3333.

APO Offers Opportunity For Involvement

Glenda Anderson

During the week of Sept. 4, Alpha Phi Omega will be having its fall rush. Alpha Phi Omega is a coed national service fraternity. Although the fraternity does not have a house or participate in the interfraternity council, the group does use fraternal principals to serve the community and provide a place for fellowship.

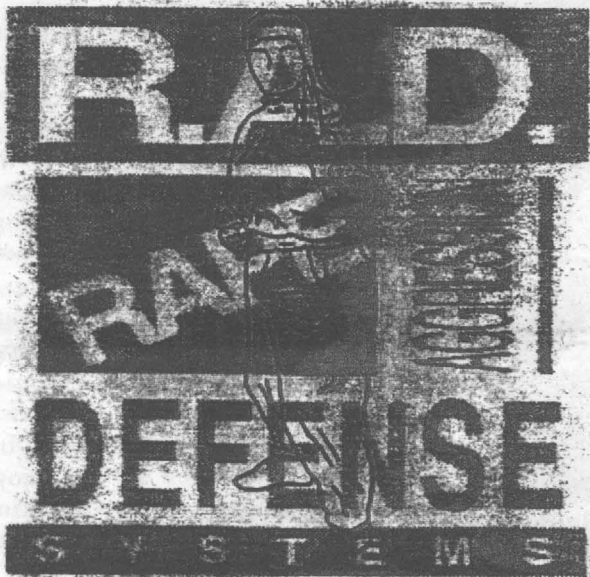
Some of the past activities of APO have included Special Olympics, tutoring at local schools, E-days, Christmas decorating for the town of Golden, and trail clean-ups. In addition to these community service events, the group also holds fellowship activities and meets with chapters from CU and CSU for fellowship and community service projects.

"People should join APO because it is a great way to get

involved with the community and give something back," said Adam Berig, vice president of fellowship. "All of our projects are fun and we always get a chance to help people or the environment."

Membership in APO is open to anyone, male or female, Greek or non-Greek, regardless of age or major. In order to join, students should plan to attend rush events, which typically consist of an information meeting, a couple of community service projects and some type of party. If an interested student is unable to attend, it is still possible to join APO by contacting Neil Blazak, president. The information meeting for the fall 2000 rush will be Tuesday, Sept. 5. More information will be posted around school as it is available.

Free To the Mines Community Basic Physical Defense For Women Sept. 5, 12, 19, 26th



Course length: 12 Hours of Instruction
Course goal: Reduce Victimization Through Informed Decision-Making and Sensible Action.
Course objective: To Develop and Enhance the Options of Self Defense. So They May Become Viable Considerations to the Woman Who is Attacked.
Instructor info: Certified RAD System Instructors from The Colorado School Of Mines Police Department And The Surrounding Area.

R.A.D. SYSTEMS

To Register: Contact CSM Public Safety at 303-273-3333

Attention Writers!

Oredigger Writing Contest

Faisal Hashem

This semester, the *Oredigger* is having a writing contest. And remember, the more you write, the less of Faisal you will have to read! That should be motivation enough...

There will be three contests, one ever other issue (issues come out twice a month), in which our editorial staff will judge all entries. The *Oredigger* will publish the best two authors for each of the three contests.

You can write news, editorials, features or anything else. Finally, the top six stories will be judge by professors from the LAIS department and the Writing Center for the two "best of the semester" articles.

Local sponsors will provide

gift certificates for the six finalists, and a \$100 and \$50 cash prize will be give by the *Oredigger* to the first and second place winners for "best of the semester." Both winning stories will be published in the last issue of the semester.

You can submit your stories by emailing them to the *Oredigger* at oredig@mines.edu, or drop off a diskette at the *Oredigger* office in the back of the student activities center. Attach a note telling us that you are entering the *Oredigger* Writing Contest and which software application you used to write your article (MSWord, etc.). Be sure to include your name, email address, and phone number. Good luck!

EIT REVIEW CLASSES

Sessions will begin Tuesday, Aug. 29 at 7p.m. in Brown 204
Free to Mines seniors within one year of graduation (before, not after!)
Application info/procedure and the syllabus/schedule will be available at the first session

Fee for non-Mines participants is \$200, payable at the first session

Non-Mines participants and Mines graduate students must apply directly to the State Board for admission to take the exam in Denver

Mines seniors will take the exam on-campus Saturday, Oct. 28

Other questions?? Leave messages for Karl at x3683 or knelson@mines.edu or visit our EIT info site at http://www.mines.edu/fs_home/knelson/EIT_INFO.html

Virtual Winner at Mines

The results are now tabulated and available for all to see. Many of us have been influenced by very special professors in our lifetimes, and now there is a site dedicated to them and those like them that would otherwise go unrecognized.

One professor from Mines, Dr. Michael J. Pavelich, is listed on the site as a winner.

The ratings, rankings and comments provided by students and participants about profes-

sors and their courses during this semester, have been analyzed by virtualrankings.com and used to determine the highest-rated professors at each school for the spring 2000 semester.

You can see a full list of all the award winners at www.virtualratings.com.

Please help to make the award special for the winners by sharing the news and spreading the word among students and faculty.

Friday Afternoon Club

Friday, September 8th 5:00pm
I-Club



This year's FAC will start off in high fashion with Comedian Greg Fitzsimmons. Come down to the I-Club and laugh your butt off. You can visit his web site at www.gregfitzsimmons.com.

Mines Grad Wins Wilkinson Award

Faisal Hashem and Keith Crowe

Every year, the Phi Gamma Delta fraternities choose one of their graduates as their most outstanding member.

Jay Winkelhake, a 2000 graduate from Mines in metallurgical engineering, and currently working for Exxon in Texas, recently won the international Wilkinson Award for best all-around graduating senior.

Jay was selected from a very large group. The competition

criteria were academics, athletics, and social contributions.

Some of Winkelhake's activities included Denver Digs Trees, promoting blood drive programs, and helping to get his fraternity a new house, which will be built on the Mines campus early next year. The new Phi Gamma Delta house will provide the fraternity and incoming freshmen with housing. It goes without saying that Winkelhake is well liked.

Middleton Honored by CSM Board of Trustees

Dr. Nigel Middleton, associate vice president of academic affairs at Colorado School of Mines, received the Board of Trustees' Outstanding Faculty Award at the annual faculty conference Aug. 21.

Board President Frank Erisman presented the award, which recognizes a faculty member who has made a significant positive impact on student learning. Not intended to be given each year, the award

is an occasional recognition of truly exceptional achievement. Erisman described Middleton as "an extraordinary, visionary leader."

Among his accomplishments, Middleton has instituted significant improvements in the curriculum, helped guide the McBride Honors Program, and was instrumental in the development of the multidisciplinary engineering laboratory sequence of courses, which has won nu-

merous awards and national recognition.

Middleton earned his Ph.D. at the University of the Witwatersrand in Johannesburg, South Africa. At CSM he has also served as associate professor of engineering and assistant director of the Division of Engineering.

Joan Gosink, director of the Division of Engineering, said, "Dr. Middleton is absolutely the best teacher I have ever known."

DESTINATION...

WILLIAMS

WHERE ARE YOU GOING...

...to go after graduation

...to live

...to work

...to be five years from now?

While we can't tell you the answers to these questions we can tell you about being an industry leader in energy and communications and the great benefits we give our employees. But that alone won't distinguish the road to Williams from other corporations. Where we came from, where we're going and what we stand for places Williams above the rest. It's up to you to decide if you want to be a part of our adventure.

Williams will host a company presentation at Colorado School of Mines on Tuesday, September 12.

Time: 6:30 p.m.

Location: Student Center Rm. 236

We are specifically looking for students with the following degrees:

- Electrical, Computer, Mechanical and Civil Engineering
- Management Information Systems/Computer Science

If you are interested in learning more about Williams, we encourage you to attend. Employees will be on hand to answer questions and share with you their own Destination Williams.



Find out more about Williams at www.williams.com.

Campus presentation

Origin of Life May Have Volcanic Beginnings

Recent studies support life may have been initiated by the molecule pyruvate

Faisal Hashem

Life was begun out of common gases in deep-seated rock. So asserts the Maverick theory, publicized earlier this month.

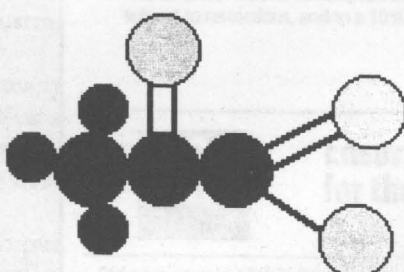
This new "origin-of-life" theory suggests that during the early violent days of the earth's formation, life may have been constructed from pyruvate, a chemical necessary for life's metabolic process.

According to the New York Times, scientists have discovered that they could create Pyruvate by simulating volcanic conditions in the lab. Pyruvate is used as a fuel; a "universal energy-pro-

ducer" process known as the "citric acid cycle." George D. Cody and colleagues of the Carnegie Institute of Washington's Geophysical Laboratories do not explain where or how the origins of life began but their work support the theory.

Guenther Waechtershaeuser, an amateur from Munich, recently taken more seriously due to his claims that the origin of life is rooted in the metabolic processes that grew into larger molecules and eventually larger

organisms. He calls his theory the iron sulfur theory due to the



This molecule may be linked to the beginning of life

commonly accepted belief that mineral iron sulfide could have catalyzed some living chemical

reactions in turn producing the precursor chemicals of living cells. Waechtershaeuser demonstrated in 1997 that an iron sulfide surface could catalyze carbon dioxide to form a two-carbon chemical used in the chemistry of living cells. Biochemists know that at the heart of some enzymes exist iron sulfides.

Cody's team used a high-pressure apparatus to simulate volcanic type environments. "We came across an unexpected result." Their experiment actu-

ally produced a very large amount of pyruvate. Pyruvate is a three carbon molecular building block from which sugars and other living molecules are built.

Proponents of the Maverick theory believe that autocatalysis, a natural chemical process like pyruvate, may have started fatty class chemicals such as lipids which could "bubble" around the system to generate the first cells.

Eventually these cells could have evolved into complex systems like human DNA.

Engineering Pick-up Lines

-I won't stop bugging you until I get the address of your home page.

-You fascinate me more than the Fundamental Theorem of Calculus.

-Since distance equals velocity times time, let's let velocity and time approach infinity, because I want to go all the way with you.

-My love for you is like a concave up function because it is always increasing.

-Let's convert our potential energy to kinetic energy.

-Wanna come back to my room... and see my 1000 Mhz Pentium VII?

-How about you and I go back to my place and form a

covalent bond?

-You and I would add up better than a Riemann sum.

-You're sweeter than glucose.

-We're as compatible as two similar Power Macintoshes.

-Why don't we measure the coefficient of static friction between you and me?

-Wanna see the programs in my HP-48GX?

-Your body has the nicest arc length I've ever seen.

-Isn't your e-mail address beautifulgirl@mydreams.com?

-You're hotter than a Bunsen burner set to full power!

-Our gravitational attraction is pulling me ever closer to you.

-Your subatomic particles are driving me crazy.

You're hotter than a Bunsen burner set to full power!

Mines Little Theatre Wants You

MLT directors in search of recruits for acting force and tech crew.

Zach Dezman

Directors Tammy Stevens and Bob Pongonis are looking for a few good players as Mines Little Theatre starts open auditions today.

They want to make it known that MLT is an organization dedicated to having a good time. It's understood that acting is not the focus here at Mines, so shows and rehearsals are planned around tests and classes.

As a small but dedicated band of performers, MLT allows for a great deal of artistic freedom. Those who audition can try for any part; Bob himself was only a curious walk-on who earned the lead his first audition.

The directors have two shows planned for this fall. Stevens will direct "Charlie's

Aunt," a play of mistaken identity. "Moon Over Buffalo," the story of a man who will do anything to be a star, will be run by Pongonis. Both plays need dedicated people for both technical support as well as acting. No prior experience is needed since MLT's close-knit atmosphere will quickly bring out the bard in you.

Auditions are Aug. 31 from 6-8 p.m. and Sept. 1 from 4-6 p.m. in Coolbaugh Hall 209, the main lecture auditorium.

For more information about the plays, dates, times, or to get in touch with the directors personally, e-mail them. Tammy Stevens receives her e-mail at pstevens@mines.edu and Bob Pongonis can be reached at rpngoni@mines.edu.

Walking Away Disease

Come participate in a good cause Sept. 23. The Alzheimer's Association is holding a Memory Walk and 5k run at the City Park in Denver, near the Denver Public Library. An annual event for the Mines chapter of Sigma



Kappa, the walk raises money to help combat Alzheimer's disease. The Alzheimer's Association is a national philanthropy for the sorority.

For more details, visit the Alzheimer's Association webpage at www.alz.org/rockymtn or call 800-864-4404. You can also contact the Sigma Kappa house at 303-277-1939.

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Apple Computers
Greeting Cards
Lamps
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Fans

Hours:

M-R 8:00am - 5:00pm

Fri 8:00am - 4:00pm

Sat 10:00am - 2:00pm

Phone: (303) 273-3113

The Prospector:



The Yearbook for Colorado School of Mines!

E-Days

Graduation

Homecoming

Greek Week

Friday Afternoon Club

M-Climb

Do you want to reserve a copy of the upcoming 2000-2001 Prospector? Visit the yearbook booth at the Celebration of Mines on Friday, September 1, on Kafadar Commons to make your order for this year - don't forget your priceless memories.

UPCOMING EVENTS

COLORADO MOUNTAIN CLUB

In conjunction with the National Mountain Conference

Presents:
BEYOND THE
EDGE - THE
GRAND CANYON

***** Friday *****
Sept. 15,
7:30 p.m.

Most people see the Grand Canyon as either an unparalleled tapestry from the rim or as a big ditch as they fly overhead in an airplane. As impressive as those views are, they pale in comparison to the Grand Canyon from the bottom up. Learn about the physical reality of the canyon, take an inspiring "virtual journey" through it, and hear stories of ordinary men and women who have had extraordinary life-changing experiences because of it. You'll leave feeling as though you've actually visited the canyon, and will have a greater appreciation for the beauty of our Earth home as well as the forces that have molded and formed it.

PRESENTED BY
CHARLY HEAVENRICH
Colorado Mountain Club,
710 10th Street, Suite 200,
Golden
303-279-3080



Sept. 5
7:00 pm
Bunker
Auditorium
and
Sept. 6
7:00 pm
Ben H. Parker
Student Center
Ballrooms

Promoting the Development of Leadership Through the Education of Character

Will Keim, Ph.D., has lectured to over 2 million students from more than 1,000 campuses in the United States, Canada, Australia, Greece, and Malaysia.

Will Keim has received many recognitions for his ability as a speaker. He visited Mines last year and earned a standing ovation by the students.

Dr. Keim has been a campus minister, residence hall director, and is a member of both the Order of Omega and Blue Key. He has lectured not only to students but to corporations such as AT&T and Delta Air Lines.

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*Note: Under federal tax law, withdrawals prior to age 59½ may be subject to restrictions, and to a 10% additional tax.

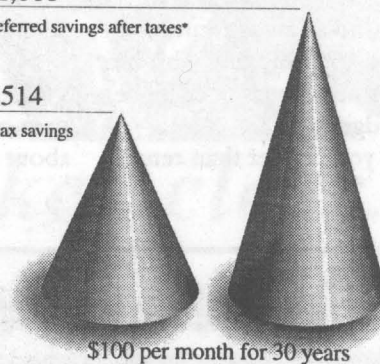
TAX DEFERRAL MAKES A DIFFERENCE

\$102,068

Tax-deferred savings after taxes*

\$67,514

After-tax savings



In this hypothetical example, setting aside \$100 a month in a tax-deferred investment with an 8% return in a 28% tax bracket shows better growth after 30 years than the same net amount put into a savings account. Total returns and principal value of investments will fluctuate, and yield may vary. The chart above is presented for illustrative purposes only and does not reflect actual performance, or predict future results, of any TIAA-CREF account, or reflect expenses.



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Experiences Never Forgotten

What You Really Learn While Studying Abroad...

Rusty Lannin

Threehundred and forty three days in a foreign country. Sounds like a long time, doesn't it? It wasn't, really. It all started with many good byes and promises. Then a long flight next to a fat man but good wine, and...

So many things.

A birthday party way in the sticks of England with new friends. People I didn't know two days before traveling four hours by train to see me. Seeing the largest Mardi Gras celebration in England purely by chance. Hearing a comedian tell jokes about CSM, then afterwards drinking the free Coors at the staff party. Meeting different movie directors in the pubs. Meeting girls with boyfriends in the city most populated by females in England.

Going to a 400-year-old house for my 21st. Simply visiting The Dam. Taking the wrong train and ending up someplace better. No money, no place to stay, and it's raining. You speak Dutch, right? Seeing the Suicide Bridge in Luxembourg—sometimes they hang for days in the trees below. Being in the Champagne capital and not trying any. Christmas dinner with 20 random travelers from England, the States, China, Australia and New Zealand. Monaco—Vegas by the sea. Experiencing a country totally shut down by a pretty bad windstorm. Just getting to the country Andorra—ever heard of it? New Years' in Barcelona. My first night train, with 7 people in a space 5 feet by 6 feet, all with luggage. Taking pictures with a

throwaway camera and having them come out like computer post cards. Forgetting my passport in Portugal; getting a new one in Madrid. Getting off the train with chance people in San Sebastian and traveling all the way to Paris together. Paris, that's all that needs to be said. It includes everything from getting mugged to reading in a park where the kids sail little boats all day. Lying down on Omaha beach. 1,500 people in the Student Union every Wednesday and Friday nights. Studying some—really, you do have to do it! Walking the streets of Auschwitz; standing in front of Schindler's factory. It's still a factory. Changing \$100 in Budapest and getting 26,000 things back. The biggest cup of coffee in

Europe—in Prague. Going to the gardens in Vienna. Getting lost in Venice, then finding our way—I still don't understand how. Seeing as much of Roma as possible in a day and a half (not much). Taking a bus tour of Liechtenstein and seeing the entire country in a day. Being ready to sky dive in Switzerland—and of course it rains. Litre beer mugs in Munich and the most impressive technical museum I've ever seen. The entrance to Hitler's bunker, now a sandbox. Walking through No Man's Land and jumping from one side of the wall to the other. Seeing the Nike emblem painted on a building as a reflection in Holland. Finals, ooo boy. Working

in a pub in Dublin. Living with five people and being the only one who speaks English. Driving on the wrong side of the road. Sleeping in a stone house. Walking on a three-mile long beach all by yourself. Finding an Irish hamlet with no pub. Packing. Seeing people for probably the last time, for one last hug. And finally, getting on the plane. Leaving all that to come home, hating it and loving it at once. Learning so much; as much as was forgotten; memories act the same way. It's all fun and games until...no, it's all just fun and games. I even passed.

Everyone should have to do this. You're taught, you remember, to smile and relax. Enjoy.

Editor's Notes: Throughout the upcoming semester, the Oredigger will share the experiences of CSM students in foreign countries. Some students will be chronicling their lives in exchange programs in foreign countries while others will relate experiences involving foreign cultures and people. These are the first two articles; one is from Joshua Boge, soon to be flying to Budapest to study. He plans to visit much of Europe while residing in the centrally located country. The other student, Rusty Lannin, just recently returned from studying in Great Britain. He writes of his experiences traveling around Europe and of the new life he found there.

Overall, these articles are meant to inform, entertain, and perhaps broaden everyone's horizons just a little bit. Studying abroad is meant to teach us, to expand our knowledge, to give us culture shock as well as jet lag. It's fun, exciting and when all's said and done, such an experience is something that must be done in life. These students give us a chance to taste a bit of their experience and to perhaps entice us to try it for ourselves.

From Mt. Pleasant to Budapest: Josh's European Chronicle Begins

Josh Boge

My name is Joshua Boge. I will be a junior this year, give or take. I'm hoping to attain a bachelor's degree in mechanical engineering in a respectable amount of time. So far so good, but things change.

I grew up in Mt. Pleasant, Mich., a small town that is neither near a mountain nor all that pleasant. The town is now unfortunately known for its large casino, Soaring Eagle. My high school was more precisely located about 10 miles from Mt. Pleasant in the even smaller farming town of Beal City.

My graduating class had 35 people, and as far as I can calculate I am the only one who has left the state in pursuit of higher knowledge.

This year, rather than return-

ing to the lovely Golden, Colo., I have decided to attend school in Europe. Next weekend I will be traveling to the Budapest University of Technology and Economics.

The first question people ask me is, "Why Budapest?" There are two primary reasons. Hungary is located in central Europe and is in close proximity to many countries. Second, they teach in English.

I had wanted to study in Germany at Stuttgart (think Porsche and Mercedes) but my German language skills are not strong enough to order a beer, let alone attend class.

Next comes the question, "Well, are you scared?" The answer to this is no. I am worried about some things, such as will I

be able to get into my dorm at midnight? Will I wake up for orientation the next day? Will my plane crash? Do Hungarian women really have hairy armpits? Small concerns like that aside, I think that I'm too ignorant about what I'm doing to be scared.

One of the other things that I am looking forward to is that due to insane out-of-state tuition fees (110 percent of the cost of education), this year in Budapest will cost me less than a year at the Colorado School of Mines. Just a little extra bonus to my year abroad.

So now, with clothes and a computer, I depart for another continent looking for the great adventures that undoubtedly await me.

Genesis

A college ministry designed just for You!

Every Friday at 7:30 pm

Be there from the beginning

September 8, 2000

Applewood Baptist Church. ■ 11200 W. 32nd Ave.
(303) 232-9575 x. 8

Alumni Association Welcomes New Students to Mines

Attending the send-off party in Houston were, from left, Catty Wilson, Liz Galiunas and Jason Okuhara.



CSM alumni hosted 12 send-off parties around the country for enrolling freshmen this summer. The parties were the idea of Mary Pott '83, who coordinates alumni volunteers who help recruit new students. The parties were held in Arizona, Nevada, Kansas, Austin and Houston, Texas, Grand Junction and Colorado Springs, Colo., and New Hampshire.

Each party was hosted by at an alumni's home and refreshments were provided. Incom-

ing freshmen, their families, other alumni and current students were invited. The parties gave new students the opportunity to meet, mingle and ask questions about what their futures at Mines will hold. They also gave parents the chance to talk to other parents who have sent children to Mines.

This year's freshman class is the largest ever with more than 750 students. Their average high school grade point average is 3.8 and average ACT/SAT scores are 27/1230.

Correction

Regarding the front page article, "Sue Holler Bids Farewell," wherein it states that "she instituted the first Mines outdoor graduation on May 1st 1986," I can only state that graduation for the Class of 1966 had graduation outdoors on Straton Commons and even then it was routine with weather permitting. Not a big thing in life but facts are facts and news reporting should reflect accuracy.

Maybe there were two graduations that day and she instituted the first one of the two!

Phil Cloues



Ready, aim...fire!



The bookstore line is a little out of control...

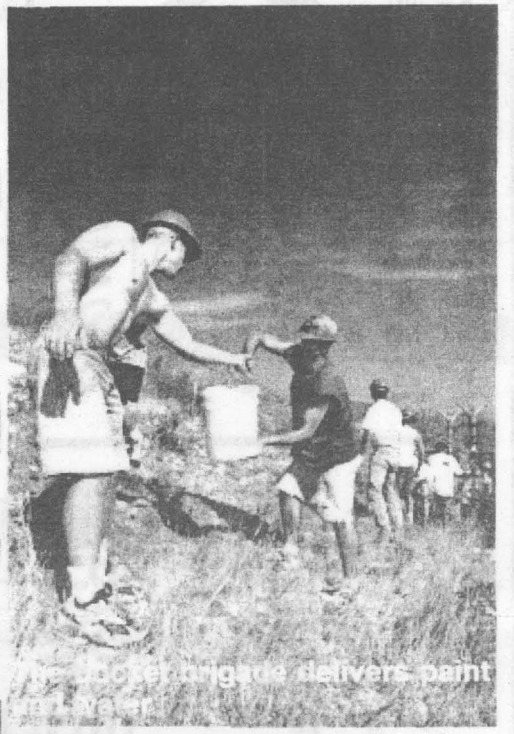


Freshman approach the "M," 10 pound



Hi Mom- I bring home this weekend

helluva helluva helluva
honest
rambling
engine
the
share?
M-I-N-E-S! What the hell
d a barrel of rum and
lege bell to mix it
ke every
nbling
gineer



Boys brigade delivers paint



Who's ready for their first chemistry exam?



These optimistic freshman have no idea what the future holds...



We'll never shower again!



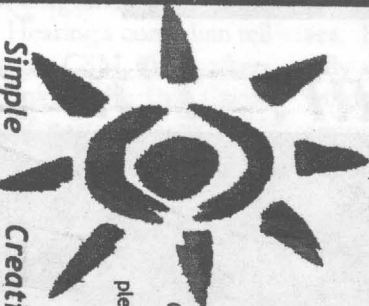
Wreaking havoc on Mt. Zion.

helluva helluva helluva
h " " helluva he
ellow I take my whiskey clear.
n Golden Tech, a
th
l
tl
Q
to mix it in and clap-
per to stir it round. Like every honest fellow I take my

Howdy Folks!

WELCOME TO GOLDEN

WHERE THE WEST LIVES!



Hilltop Cafe

Open daily for lunch and dinner for your dining pleasure. Closed Sundays for our families pleasure.

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Hill Top Café - a Casual Affair

Keith T. Crowe

Some of you may have noticed that there is a new restaurant in town. The Hilltop Café opened over the summer and has given Golden another touch of class. The new café has a Mediterranean theme and serves up the decor to match. The chef, Ian Kleinman, graduated from the Colorado School of Art and since has been invited to Chefs in the Sun, a prestigious competition for chefs held in Hawaii.

J. Allen Adams, the owner of what used to be the Hampton's Restaurant, has a simple reason for opening his new Hilltop Café; he loves Golden, its people, and he wants to stay here in town. He also believes that the time is right for a new restaurant due to the tremendous amount of local growth.

The prices at the Hilltop Café are excellent considering the fabulous food; a couple can eat there for around \$40. Also, the wine list is superb; it is a short list of quality. Attire is flexible; a person wearing jeans and a T-shirt will feel just as welcome as a person in dinner attire, making this a hot spot for any college students or date. Try their lemon pepper linguine with shrimp for an exquisite dining experience. The Hilltop Café, Golden's newest bistro, will make a fantastic addition to the restaurant scene here in Golden.



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Golden

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Denver West (303) 271-0667

Why Vote for George W. Bush?

James Oltmans

The Oredigger

THE VOICE OF COLORADO SCHOOL OF MINES, A SUPERIOR EDUCATION IN APPLIED SCIENCE AND ENGINEERING

Editor's Note: This article is the first in a series dedicated to current politics and politicians. We plan to highlight other candidates in the following weeks before the November presidential elections. Any opinions that you wish published concerning the presidential candidates, politics, or other random subjects can be sent to Oredig@mines.edu or dropped in the Oredigger box at the Student Activities Office in the Student Center.

Before I begin, I'd first like to say that no matter who you support for President, you should vote in the upcoming election. It's your future, so start shaping it.

George W. Bush has good ideas. He is a leader; his track record is good and consistent. In contrast, Al Gore has a shaky track record that waffles almost as much as Bill Clinton's approach to governing. Do you remember Clinton's attempt to nationalize health care?

Gore supports these tired socialist approaches to government where your money funds their failures. The only difference is that he is using the few examples of people who fall through the cracks in our system to tear the health care system's structure down piece by piece rather than the complete overhaul his mentor Clinton tried.

George Bush is a leader. Al Gore has called George W's plan for investing social security funds "risky." Then a week or so later, he comes out with a suspiciously similar plan.

Al Gore's whole campaign has pretty much been a "me too" campaign, following Bush's lead. Let's discuss his new "I'm my own man" assertion. Where was Al when the scandals came down on Clinton's head? Al's running mate, Senator Lieberman, publicly condemned the scandal. And since the president couldn't dump Al, why didn't Al weigh in as "his own man?" Obviously he's not his own man, just another Clinton puppet.

Bush's ideas include tax cuts for low-income families. In fact, about "six million families would no longer pay any federal income tax." Okay, so maybe this doesn't mean much to you right now, but wouldn't it be nice for Uncle Sam to stop taking so much out of our future paychecks?

When you get that nice job that everyone tells you is waiting for you when you get out of

Mines, wouldn't it be nice to keep more of your hard-earned money? Al Gore won't give you tax cuts. How can I say this? Just look at the Democrats' track record. When was the last time they implemented a tax cut? It was during John F. Kennedy's administration.

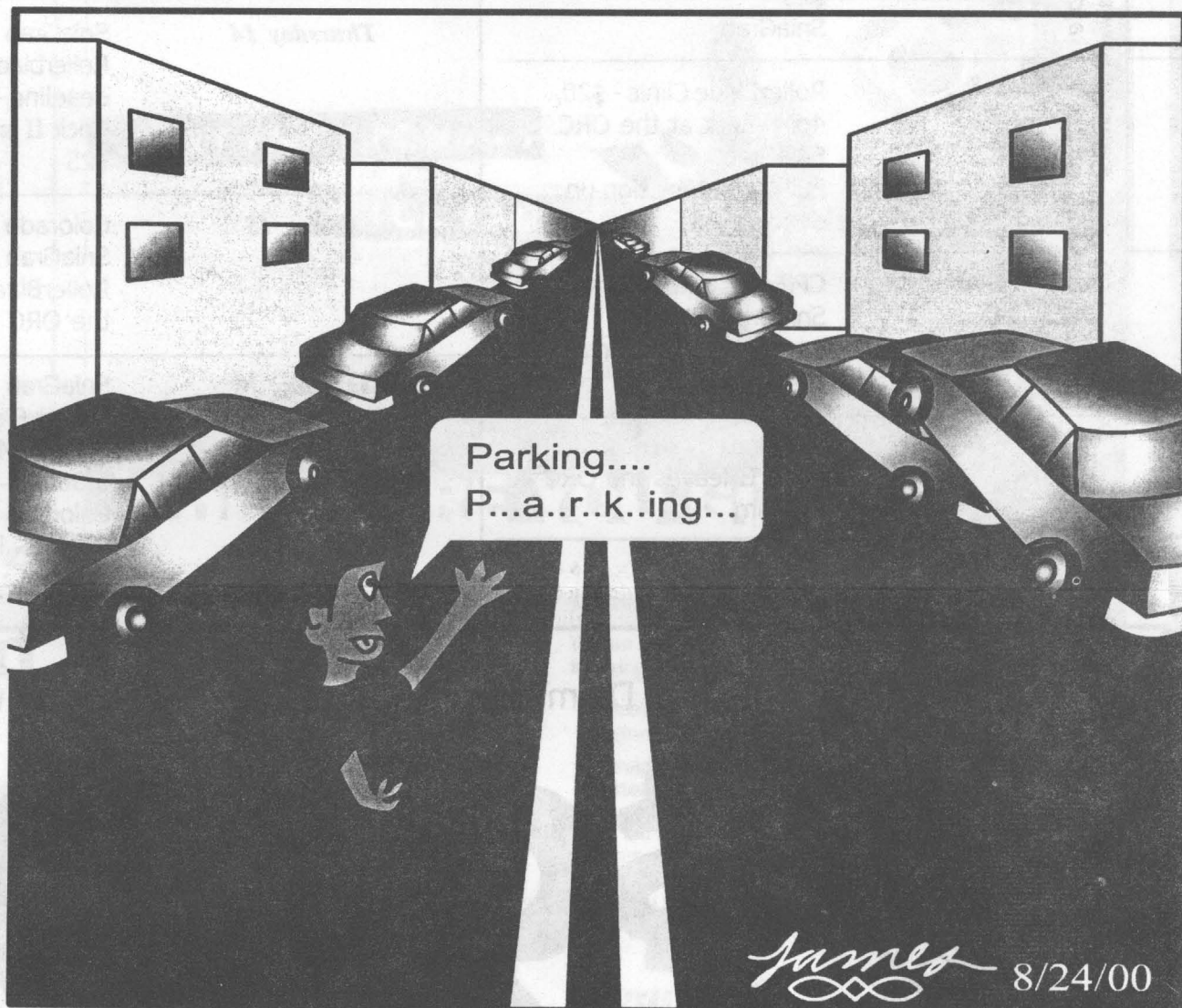
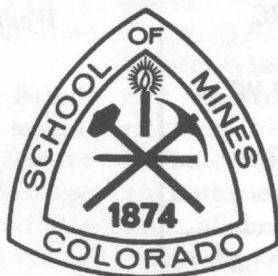
George W has a definite plan and agenda for America, one that includes reforms that have been long overdue. He plans to reform our schools as he did for Texas. He plans to reform the government, and he plans to cut back on government intervention in the private sector. In the past, Democrats just kept throwing money at problems like schools and government. But that's not working, since there's no accountability for these organizations. Our money is wasted as proved by poor test results across the country. George W is for school vouchers to bring competition into the public schools. Without giving it a try, the Democrats would have us believe that given enough money, they can clean up the mess that they created using past monies they squandered using the same rationale. The spirit of America is competition and hard work. George W is for that competition, Al Gore isn't. The clear choice in this race is Bush.

A vote for Bush is a vote for an end to scandals.

Four years of Al Gore is another four years of the Clinton administration; another four years of policing the world to keep the focus off of Al's scandals like Clinton did with his. We have the opportunity to vote for change and for most of us this will be our first vote for a better future.

I, for one, will choose George W. Bush when I vote in November for the next president of the United States..

Source for statistics: Renewing America's Purpose, Policy Addresses of George W. Bush.



After many fruitless miles of searching John began to wonder just where all these cars came from.....

Cassia's Advice

Dear Cassia:

I spent all summer dating this fabulous girl, but now she is gone to her college in Boston, and I am confused as to what I should do. Should I go with the long distance relationship thing? Any pointers for making this works? Is it foolish for me to think this might work out? Please help me!

Ending a relationship simply because it is long distance is often the first logical thought that crosses one's mind, but perhaps you should hold out for a little while. I don't suggest giving up without trying - you will look back and wonder what may have happened if you didn't throw in

the towel so soon. I'm guessing you have feelings for this girl worth exploring (especially since you refer to this girl as being fabulous).

Long distance is definitely not something I recommend in a relationship, as more often than not they just crumble. There's something about not being able to see the person you love that makes it hard to remain devoted to her. E-mail offers some comfort and is definitely an inexpensive way to keep in touch. Phone calls will be far better but far more expensive. It's definitely better to hear your loved one's voice rather than just reading their words. After some time, phone conversations may tend to be more of a hassle and obligation rather than a joy, which is almost inevitable after so many hours without a moment spent together.

On the other hand, long distance relationships can and do work. To make it work requires significant effort by both parties. If the love you feel for this girl is genuine, rather than physical attraction and lust, then give it your best shot.

My advice for you is that you maintain your current relationship and to put some effort into it. When times get tough, try to think of the things you did together this summer and remember that in a few months you'll be together for Christmas break and a few months later it'll be summer break. Long distance relationships are definitely not for the weak, though once the relationship develops, a decision to move is made. Maybe she'll be looking into Colorado schools or perhaps you'll find the east coast more your speed.

Cassia Calleos

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Sports Editors

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E-MAIL oredig@mines.edu

Outdoor Recreation Center Schedule

<i>Sunday 3</i>	SniaGrab	<i>Monday 11</i>	Wilderness Instructor Leadership Development - prospective trip leader meeting - 6pm in the ORC
<i>Monday 4</i>	SniaGrab	<i>Tuesday 12</i>	SniaGrab
<i>Tuesday 5</i>	SniaGrab	<i>Wednesday 13</i>	Mount Bierstadt pre-trip meeting - 7pm in the ORC SniaGrab Brakes and Derailleurs clinic - \$5, 6-7 in the ORC Mountain Lion Loop sign up deadline - \$5 Rock I sign up - \$25 Full Moon hike - leaves ORC at 8pm
<i>Wednesday 6</i>	The Basics of Bike Tuning - \$5, 6-7pm in the ORC SniaGrab Mount Bierstadt sing up deadline - \$10 Rock I sign up deadline - \$25	<i>Thursday 14</i>	SniaGrab Rollerblade Clinic sign up deadline - \$20 Rock II sign up deadline \$25
<i>Thursday 7</i>	RollerBlade Clinic sign up deadline Rock II sign up deadline - \$25 SniaGrab	<i>Friday 15</i>	Colorado Relay SniaGrab RollerBlade Clinicf - 4pm at the ORC
<i>Friday 8</i>	RollerBlade Clinic - \$20, 4pm meet at the ORC SniaGrab Full Moon hike sign up deadline - \$5	<i>Saturday 16</i>	SniaGrab Mount Bierstadt hike - leaves IMIM parking lot at 6:30am Colorado Relay Rock I - leaves the ORC at 7:30am
<i>Saturday 9</i>	CPR sign up deadline SniaGrab Rock I - \$25, leaves ORC at 7:30am		
<i>Sunday 10</i>	SniaGrab Rock II leaves the ORC at 7:30am		
<i>Monday 11</i>	SniaGrab		

Men's Soccer Kicks Off

by Reece Bollinger

Colorado Mines soccer began their 2000 campaign this week-end picking up two wins. The Orediggers played Montana State Billings on Saturday defeating the Yellowjackets 2-1 in over-



time. The Diggers were lead by junior Nico D'Alessandro and senior Marc Miller each contrib-

uting one goal and one assist. Brian Kerr got the win as goal-keeper for the Orediggers with three saves.

Mines next travels to Colorado Springs to play the U.S. Air Force Academy. Their next home game is on Sunday, September 3 against Westminster College at 7 p.m.



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New Sports Information Director

Greg Bollinger

The athletic department has added another new face to its staff of its already new team.

Kacey Kingry is the latest to be invited to work with all the athletes here. She will be working as the new sports information director. She says she is happy to have the opportunity to work with the school and has a great outlook on the years to come here.

Kingry grew up around here and attended D'Evelen High. She graduated from CU Boulder last year and is excited to be in Golden. She said that this is a great place to start off her career because of her fellow workers.

Kingry has worked in the athletic department for four years at CU and thus expects for things to turn out just the way that they are supposed to.

Volleyball Team Ready to Hit the Road

Karen Martin

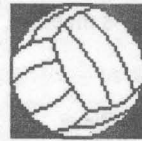
The team consists of a large group of sophomores and juniors that

provide a maturity level that will be a huge impact.

The Miners are looking to be contenders in the conference tournament this year. "This year the girls are

very dedicated and because the girls are so ready, it is easier to make progress," said coach Harris.

The team will be on the road again next week and will have its first home game the following week. "Movement on the court is better every year. The team is still young, but more mature. I am looking forward to a great season," said Harris.

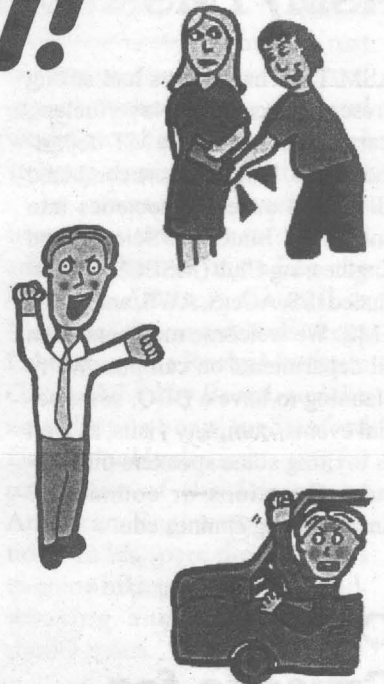


We Want you!



If you want your picture, club and organization pictures, or even your cat's picture to be published in this year's Prospector (for you new people, that's the yearbook), you need to drop them off at the student activities office, or email them to oredig@mines.edu

Remember to identify all people in the picture!!!



Sept. 1 @ 9:00
Student Center Ballrooms

WANTED

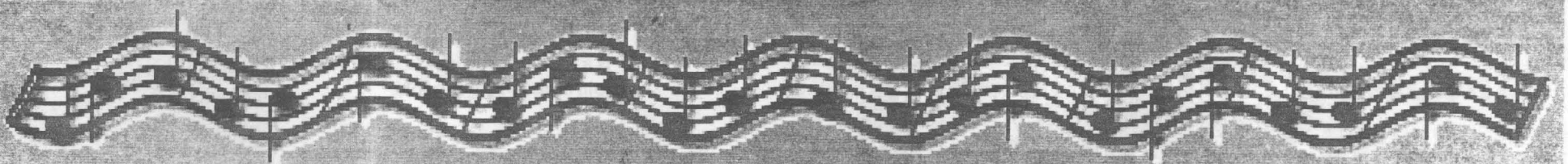
MINERS

For

BACK TO

SCHOOL DANCE

FREE FOOD
DANCING
BRING PLENTY OF QUARTERS
AND YOUR ID



Miner Notes

Anime Club

Meetings on Mondays at 6 p.m. First showing is Sept. 9 at noon in Ballrooms A and B. Contact mhaisfie@mines.edu for information.

American Indian Science and Engineering Society

Come eat fry bread at our booth at the Celebration of Mines.

ASM/TMS

ASM/TMS has always had strong presence on campus. Nevertheless, starting this semester, MT department head, Dr. J.J. Moore combined all related materials societies into one called Materials Science and Engineering Club (MSEC). This included ISS, ACerS, AWS, and ASM/TMS. We welcome members from all departments on campus. We're planning to have a BBQ, some social events, company visits, as well as inviting some speakers on campus. Questions or comments? Email yhuang@mines.edu.

Campus Crusade for Christ

All are welcome to join us for our weekly 737 meeting. It is a place to hang out with friends and talk about life. Meetings are held every Thursday at 8 p.m. in Ballroom A in the Student Center. Afterwards, we will be going to the Golden Grind for food and fellowship.

Circle K

Come find out about the world's largest student-run service organization. Meetings are held Tuesdays, 6 p.m. at the Student Center in room 234. For more information contact zscully@hotmail.com. Free pizza at this Tuesday's meeting.

Earthworks

Are you interested in becoming involved in environmental issues at CSM? Come check out Earthworks. Meetings are held Mondays at 12 noon in Meyer Hall 353. All are Welcome! Questions? Email earthworks@mines.edu.

FCA

The Fellowship of Christian Athletes meets Wednesdays at 7:30 p.m. in the projection room on the second floor of Volk Gymnasium. All are welcome: Christians, athletes, both or neither. For more information email fbuckner@mines.edu.

International Student Organization

The International Student Organization represents the interests of all internationals at the Colorado School of Mines. Informal meetings are held at the International Office (1404 Maple Street) as needed. We will be holding our biggest event -- International Day, Saturday, Oct. 28. We welcome ideas on activities to further improve the experience of the International students and the Mines community at large. Contact Leslie 303-273-3210 or Kenny 303-215-0449

Kayak Club

Kayak Club holds pool sessions Mondays from 7:30-9:30 p.m. Everyone is welcome, beginners to advanced. Contact Nicole Baert at (303) 273-0507 or email nbaert@mines.edu.

LDSSA

All students are invited to enjoy a guest speaker and lunch for \$1 at the Latter Day Saint Student Association's Friday Forum Fridays at noon at 1212 Arapahoe Street. Email meallen for more information.

Prospector

The yearbook is looking for editors, photographers, and computer types to work on this years' Prospector. If you want a good time, join the Prospector staff! They can be found at the Celebration of Mines or at noon, Mondays, in Berthoud Hall 204. Submit your pictures of E-days, M-Climb, Spring Break, etc. to the Prospector mailbox in the Student Activities Office and make your mark on Mines history.

Outdoor Recreation Center

Looking for a little recreation? Need equipment? Need lessons? Visit the Outdoor Recreation Center across the street from the IM fields. Hours: Mon-Fri 10-6 and Sat-Sun 10-2. 303-278-6202

Oredigger

Looking for crazy nights, wild women, mischevious men and free lunch? The Oredigger is looking for reporters and editors. No experience necessary. Meetings are Mondays at noon, BH 204 and lunch is provided.

SCA

The Society for Creative Anachronism meets Thursdays 7-9 p.m. in Kafadar Commons and in case of inclement weather, in the Field House. Questions? Contact David at (303) 278-3061 or dclement@mines.edu.

Ski Team

Meeting Thursday, Sept 7, 7pm, Student Center Ballrooms. E-mail Harald at hreinert@mines.edu or call 303-279-9963 for more info.

SHPE

Society of Hispanic Engineers (SHPE) will host a Fiesta on September 15 from 4-9 p.m. in the Green Center. There will be FREE food and entertainment (poets, singers, dancers). Come learn about and celebrate Hispanic culture.

Society of Women Engineers

Are you ready for an inspiring year? This year, the theme of Society of Women Engineers (SWE) is "Inspiring Women." SWE is a fun club! You will have huge benefits: Evening with Industry, Ice cream social party, and many interesting guest speakers. All you have to do is come to CO 209 on Wednesdays at noon! Lunch will be served. Join SWE and have fun with us.

Ultimate Frisbee Organization

Mines Ultimate will be practicing this fall on Tuesday, Thursday, and Friday at 5 p.m. on Kafadar field. This is a competitive team that travels to different areas around the state and country to compete in different tournaments. If interested view our web sight at http://www.mines.edu/Stu_life/organ/ufo/ and contact any of the officers for more information.

Water Polo

Mines waterpolo is off to an exciting start. We will be hosting a tournament Sept. 16-17th for the Southwest division. Practices are Tuesday and Thursday from 7:45-9:45 p.m. and Saturday from 1-3 p.m. This is a coed team so please feel free to join us in Volk gym pool.

Classified Advertisements

Help Wanted.

Nanny needed M-F, 3 -7 p.m., for two fun children ages 9 and 11. Near 6th Avenue and Indiana. Provide after-school help with homework, soccer practice, dinner preparation. Live-in option available. Call 303-278-0563 or 303-273-9250.

Help Wanted.

Seeking responsible student to care for my two children (ages 6 & 9) in my home 2-3 days/week. Hours: 2:30-6:30 Wed, Thurs, Fri. Must have car and be non-smoker. Some light housekeeping. \$9/hour. Lakewood/Green Mtn area. Julie or Paul 303-980-9940.

Help Wanted.

CSM Phonathon needs callers. Flexible hours, great pay and benefits. Fun environment, no weekend work and close to campus. For more information, call Laura at 303-273-3129.

Help Wanted.

Female student wanted for occasional childcare. Golden family. Please call Debra 303-278-0099.

Help Wanted.

Golden mother seeks domestic help; 5-10 hrs/week. Childcare and light housekeeping; fluency in a foreign language (Spanish, French, Italian) a plus! Please call for further information Elaine 278-4436.

Men Wanted.

Wanted- Two athletic Mines men to teach two energetic cheerleaders the sport of raquetball. Must be able to keep up with our fun personalities and our "not-so-serious" nature. Contact us by email at MinesCheers@hotmail.com.

Want to see this smiling face in the yearbook? Didn't think so.

Submit your pictures for the yearbook!

TO PLACE A FREE CLASSIFIED ADVERTISEMENT OR MINER NOTE, PLEASE SEND ALL SUBMISSIONS TO oredig@mines.edu ONE WEEK BEFORE PUBLICATION.